

Title (en)
Impeller blade for axial compressor

Title (de)
Verdichterschaufel für einen Verdichter und Verdichter

Title (fr)
Aube de rouet pour compresseur axial

Publication
EP 1624192 A1 20060208 (DE)

Application
EP 04018728 A 20040806

Priority
EP 04018728 A 20040806

Abstract (en)
A sealing lip (75) extends along the profile center line of a profile, spaced apart from a suction side wall (69) and pressure side wall (67). The sealing lip has a suction-side side surface (79) and a pressure-side side-surface, which extend parallel to the main axis (53). An independent claim is included for a compressor for a gas turbine.

IPC 8 full level
F04D 29/16 (2006.01); **F01D 5/28** (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP US)
F01D 5/20 (2013.01 - EP US); **F04D 29/164** (2013.01 - EP US); **F04D 29/324** (2013.01 - EP US); **Y10T 29/49321** (2015.01 - EP US); **Y10T 29/49336** (2015.01 - EP US)

Citation (search report)

- [X] US 5363554 A 19941115 - PARTRIDGE PETER G [GB], et al
- [X] GB 2310897 A 19970910 - UNITED TECHNOLOGIES CORP [US]
- [X] US 6206642 B1 20010327 - MATHENY ALFRED P [US], et al
- [X] US 6039531 A 20000321 - SUENAGA KIYOSHI [JP], et al

Cited by
EP1930547A3; CN106271469A; US11697995B2; US8366400B2; EP2418389B1

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